JAMECO
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS

Part No. 101389
Product No. SNP3180

Skynet 85 Watt Switching Power Supply

1355 Shoreway Rd., Belmont, CA 94002 • Tel: 415-592-8097 • Fax: 415-592-2503 • BBS: 415-637-9025

Features:

Output: +5VDC @ 8A; +12VDC @ 3A
-5VDC @ 0.5A; -12VDC @ 0.5A

Input: 115VAC @ 2A; 230VAC @ 1A; 50/60Hz

Auto switch input

Molex style input & output connectors

Size: 4.25"L x 7.75"W x 1.75"H

Weight:1.25 lbs.

Agency Approvals

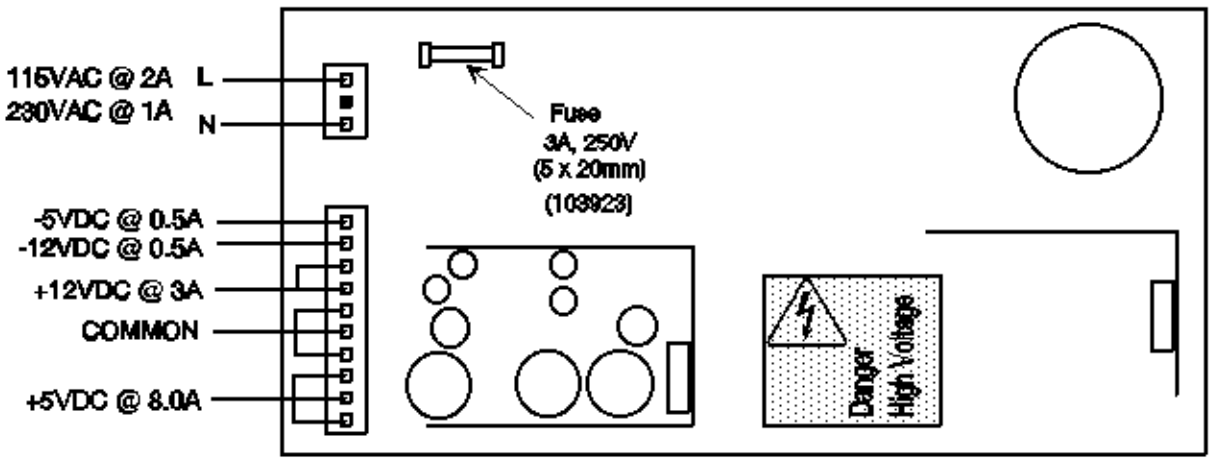
Compatible Products:

Input mating connector: 104432 - 3 pin female connector housing

Output mating connector: 104766 - 10 pin female connector housing

Note: use 104774 pins and 99442 crimp tool for both connectors

Fuse: 3A, 250V, 5 x 20 mm (103923)



Suggested minimum load is 10% of the rated output current for each output

GENERAL SPECIFICATIONS

Input voltage .....100VAC to 260VAC

Input frequency ..... 47Hz to 63Hz
Inrush current(Cold) .....15A at 115VAC
30A at 230VAC
Operating temperature ..... 0 to 50°C
Storage temperature .....-20°C at +85°C
Cooling ..... Free air convection
Efficiency ..... 75% typical
Holdup time 20ms

Overvoltage type ..... Crowbar
Trip point 6.2V +/- 0.5V

Overload protection ..... Foldback
at 150% rated load
Switching frequency ..... >30KHz
Designed comply with .....
UL 478,1012
CSA 22.2
VDE 0806
EMI ..... Meet FCC class "B"

OUTPUT SPECIFICATIONS

MODEL NO.	OUTPUT VOLTAGE	LOAD MIN.	LOAD RATED	LOAD MAX.	TOLERANCE +/-	RIPPLE NOISE	LINE REG.	LOAD REG.
SNP-3180	+5V	.5A	8A	12A	1%	50mV	1%	1%
	+12V	.2A	3A	5A	5%	100mV	1%	5%
	-12V	0A	0.5A	1A	10%	100mV	2.8%	8%
	-5V	0A	0.5A	1A	10%	50mV	2%	8%

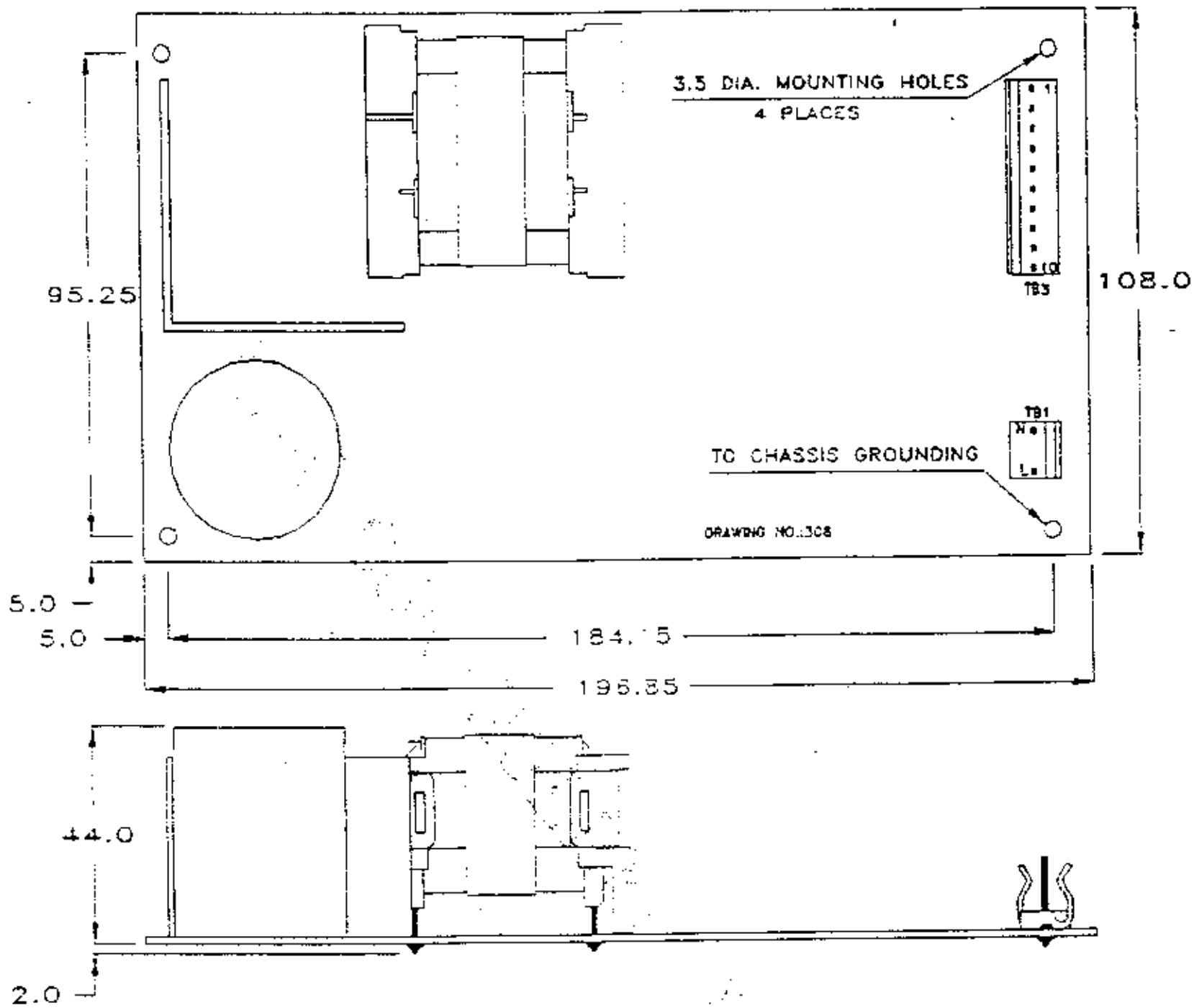
Note:
1. +5V output is adjusted to +/- 1% at 60% rated load at factory.
2. Tolerance is measured with all outputs at 60% rated load.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured by +/- 40% load change from 60% rated load, and all other outputs to be kept at 60% rated load.
5. Ripple & noise is measured by using a 12" twisted wire terminated with a 47uF capacitor.
6. Efficiency is measured at rated load.
7. All parameters except line regulation are specified at 115/230 VAC input, rated load, 25°C ambient.

PRELIMINARY

•••• 機構規格 ••••

總工程師 對外發行

MECHANICAL SPECIFICATION



NOTES:

1. DIMENSIONS SHOWN IN:MM (ALLOWANCE:±.4 MM)
2. CONNECTORS:
   TB1:AC INPUT (MOLEX 5277--2 CIRCUITS)
   TB3:DC OUTPUT (MOLEX 5273--10 CIRCUITS)
   DC OUTPUT PIN ASSIGNMENT

PIN / MODEL	1	2	3	4	5	6	7	8	9	10
SNP-3180	+5V	+5V	+5V	GND	GND	GND	+12V	+12V	-12V	-5V